

2003 Annual Report Timber Management Data Section

In this section, DNR provides data on timber management activities on state trust forestland, as required by RCW 79.10.010 (3):

...(3) The commissioner of public lands shall provide annual reports to the respective trust beneficiaries, including each county. The report shall include, but not be limited to, the following: acres sold, acres harvested, number of stems per acre, acres precommercially thinned, acres commercially thinned, acres partially cut, acres clearcut, age of final rotation for acres clearcut, and the total number of acres off base for harvest and an explanation of why those acres are off base for harvest.

About these pages

- These pages include data for Forest Board lands and federally granted trust lands. Trusts are listed individually.
- Counties that contain Forest Board lands but are not listed for an activity did not have that activity during FY03.
- Numbered notes apply only to the page on which they appear.
- Numbers may not add due to rounding.

Timber Sold: July 1, 2002 – June 30, 2003

► 2003 Annual Report to
Trust Beneficiaries per
RCW 79.10.010

Trust / Beneficiaries	Number of Acres	Volume ¹ (mbf) ²
Forest Board Transfer		
Clallam	724	18,698
Clark	283	9,938
Cowlitz	288	9,467
Grays Harbor	12	559
Jefferson	125	3,504
King ⁴	461	15,888
Kitsap	110	2,877
Klickitat	263	1,178
Lewis	611	13,079
Mason	1,068	11,193
Pacific	251	8,552
Pierce	402	19,365
Skagit	1,236	44,499
Skamania	161	1,837
Snohomish	954	41,238
Thurston	672	11,063
Wahkiakum	299	7,912
Whatcom	613	22,166
Subtotal - Forest Board Transfer	8,533	243,013
Forest Board Purchase		
Clark	12	212
Cowlitz	48	1,399
Grays Harbor ³	525	14,049
Pacific ⁵	21	1,273
Pierce ⁵	103	3,942
Skamania	5	88
Thurston ³	788	21,583
Subtotal - Forest Board Purchase	1,502	42,546
Common School, Indemnity & Escheat	10,260	171,621
Agricultural School	404	8,565
University - Transferred & Original	16	537
CEP&RI	659	15,418
Capitol Building	1,007	25,241
Normal School	685	8,411
Scientific School	1,436	27,259
Community & Technical College		
Forest Reserve	0	0
Subtotal - Granted Trusts	14,467	257,052
TOTAL - ALL TRUSTS	24,499	542,607

¹ Timber volume sold per acre depends on site-specific conditions and harvest method.

² mbf: thousand board feet

³ Includes Forest Board repayment. (See Fiscal Section, page 13, note 9.)

⁴ Includes Water Pollution Control data.

⁵ Includes University Repayment data.

Notes

● Timber is sold before it is harvested. Timber sale contracts average two years in length, with timber harvest schedules determined by individual purchasers. Sale and harvest of timber may or may not occur in the same fiscal year. Revenues are generated when timber is harvested.

● Market conditions can influence number of sales and volume sold.

● Sales which contain more than one trust beneficiary report estimated acres and volume for each specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

● Numbers may not add due to rounding.

Sources

● DNR Revenue Management System database, Report TSC311; 12/03.

Silviculture¹: July 1, 2002 – June 30, 2003

► 2003 Annual Report to
Trust Beneficiaries per
RCW 79.10.010

Trust / Beneficiaries	Acres Planted ²	Stems per Acre ³	Precommercially Thinned Acres ⁴
Forest Board Transfer			
Clallam	568	296	500
Clark	481	352	0
Cowlitz	183	299	93
Grays Harbor	133	365	0
Jefferson	241	382	0
King ⁵	359	331	0
Lewis	183	323	0
Mason	125	296	0
Pacific	152	373	14
Pierce	138	277	0
Skagit	857	302	0
Skamania	37	537	0
Snohomish	389	297	0
Thurston	282	414	0
Wahkiakum	129	298	0
Whatcom	551	309	0
Subtotal - Forest Board Transfer	4,808	NA	607
Forest Board Purchase			
Grays Harbor	404	382	164
Lewis	90	343	0
Pacific	71	352	0
Pierce	62	273	0
Thurston	243	379	61
Subtotal - Forest Board Purchase	870	NA	225
Common School, Indemnity & Escheat	4,610	280	1,477
Agricultural School	347	229	0
University - Transferred & Original	88	303	72
CEP&RI	150	359	0
Capitol Building	894	326	18
Normal School	388	273	2
Scientific School	407	341	0
Community & Technical College			
Forest Reserve	23	365	0
TOTAL - ALL TRUSTS	12,585	NA	2,401

¹ Silvicultural activities are forest management practices; implementation of silvicultural practices varies according to site-specific conditions and availability of management funding.

² Acres planted include all planting processes and all tree species.

³ Stems per acre planted depend on site-specific conditions and anticipated survival rates.

⁴ Precommercially thinned acres increase yield rate per acre by selectively decreasing overcrowding of saplings.

⁵ Includes Water Pollution Control data.

Note
Numbers may not add due to rounding.

Source
DNR Planning and Tracking System database, 12/03.

Timber Volume Harvested³: July 1, 2002 – June 30, 2003

► 2003 Annual Report to
Trust Beneficiaries per
RCW 79.10.010

Trust / Beneficiaries	Volume ¹ (mbf) ²
Forest Board Transfer	
Clallam	15,740
Clark	8,853
Cowlitz	11,116
Grays Harbor	982
Jefferson	7,590
King ⁵	12,810
Kitsap	121
Klickitat	4,898
Lewis	12,271
Mason	4,864
Pacific	8,459
Pierce	10,818
Skagit	39,560
Skamania	348
Snohomish	34,513
Thurston	12,781
Wahkiakum	7,534
Whatcom	28,577
Subtotal - Forest Board Transfer	221,835
Forest Board Purchase	
Cowlitz	740
Grays Harbor ⁴	27,137
Mason	6,011
Pacific ⁶	1,678
Pierce ⁶	2,421
Skamania	209
Thurston ⁴	17,707
Subtotal - Forest Board Purchase	54,575
Common School, Indemnity & Escheat	142,653
Agricultural School	10,790
University-Transferred & Original	3,919
CEP&RI	14,171
Capitol Building	23,633
Normal School	6,832
Scientific School	15,551
Community & Technical College	
Forest Reserve	314
Subtotal - Granted Trusts	217,863
TOTAL - ALL TRUSTS	494,266

¹ Timber volume harvested per acre depends on site-specific conditions and harvest method.

² mbf: thousand board feet

³ Volume harvested is estimated for sales partially harvested.

⁴ Includes Forest Board repayment. (See Fiscal Section, page 13, note 9.)

⁵ Includes Water Pollution Control data.

⁶ Includes University Repayment data.

Notes

● Timber is sold before it is harvested. Timber sale contracts average two years in length, with timber harvest schedules determined by individual purchasers. Sale and harvest of timber may or may not occur in the same fiscal year. Revenues are generated when timber is harvested.

● Sales which contain more than one trust beneficiary report estimated volume harvested for each specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

● Numbers may not add due to rounding.

Sources

● DNR Revenue Management System database, Report TSC311, 1/04.

Timber Acres Harvested¹: July 1, 2002 – June 30, 2003

► 2003 Annual Report to Trust Beneficiaries per RCW 79.10.010

Trust / Beneficiaries	Acres Commercially Thinned/ Small Wood ²	Acres Partially Cut/ Older Stand Thinning ³	Acres Clearcut/ Regeneration Harvest	Total Acres ⁴	Average Year of Clearcut Stand
Forest Board Transfer					
Clallam	66	0	671	737	1929
Clark	0	4	324	328	1940
Cowlitz	37	0	343	380	1924
Grays Harbor	0	0	24	24	1937
Jefferson	245	0	186	432	1927
King	306	0	335	642	1935
Kitsap	0	0	7	7	1942
Klickitat	0	396	186	582	1893
Lewis	248	17	344	610	1949
Mason	0	0	179	179	1935
Pacific	0	0	202	202	1943
Pierce	125	0	211	337	1935
Skagit	0	63	1,042	1,106	1931
Skamania	40	0	2	43	1949
Snohomish	43	197	715	956	1933
Thurston	49	318	245	613	1936
Wahkiakum	98	0	186	285	1933
Whatcom	0	10	757	767	1928
Subtotal - Forest Board Transfer	1,263	1,009	5,966	8,239	NA
State Forest Board Purchase					
Cowlitz	0	0	28	28	1940
Grays Harbor	0	225	386	612	1941
Mason	0	0	131	131	1937
Pacific	0	0	37	37	1941
Pierce	5	0	41	46	1940
Skamania	95	0	9	105	1959
Thurston	0	328	310	639	1937
Subtotal - Forest Board Purchase	101	554	946	1,601	NA
Common School, Indemnity/Escheat	1,290	3,923	4,910	10,123	1928
Agricultural School	0	494	272	766	1934
University - Transferred/Original	419	0	107	528	1948
CEP&RI	41	303	326	671	1928
Capitol Building	448	70	741	1,260	1937
Normal School	0	125	338	464	1932
Scientific School	224	64	441	730	1936
Community & Technical					
College Forest Reserve	0	19	0	19	1954
Subtotal - Granted Trusts	2,422	4,998	7,135	14,561	NA
TOTAL - ALL TRUSTS	3,788	6,566	14,051	24,405	NA

¹ The department tracks harvest method information in ten categories; for purposes of this report, per RCW 79.10.010, the data are aggregated into three harvest methods.

² Commercial thinning/small wood generates revenue, promotes growth of the remaining trees and creates desired future forest conditions.

³ Partial cuts/older stand thinnings generate revenue and help achieve desired future forest conditions.

⁴ Total acres include total of all harvest activities.

Notes

● Harvested acres shown are fiscal year 2003 activities only; acres are reported again in the future if additional harvest activities occur. Acres harvested are estimated for sales partially harvested. Timber volume harvested per acre depends on site-specific conditions and harvest method.

● Sales which contain more than one trust beneficiary report estimated acres harvested for each specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

● Numbers may not add due to rounding.

Sources

● DNR Revenue Management System database, Report TSC348P2 , 12/03.

Acres Off-Base for Harvest: July 1, 2002 – June 30, 2003

► **2003 Annual Report to
Trust Beneficiaries per
RCW 79.10.010**

Trust / Beneficiaries	Off-base acres ¹
Forest Board Transfer	
Clallam	16,793
Clark	1,825
Cowlitz	1,372
Grays Harbor	238
Jefferson	947
King	3,525
Kitsap	544
Klickitat	5,653
Lewis	3,513
Mason	2,183
Pacific	1,596
Pierce	474
Skagit	14,454
Skamania	10,726
Snohomish	7,418
Stevens	19
Thurston	4,482
Wahkiakum	1,056
Whatcom	8,207
Subtotal - Forest Board Transfer	85,025
Forest Board Purchase	
Clallam	89
Clark	1,380
Cowlitz	150
Grays Harbor	2,168
Jefferson	3
Kitsap	10
Lewis	124
Mason	30
Pacific	956
Pierce	256
Skamania	838
Snohomish	24
Thurston	1,253
Whatcom	182
Subtotal - Forest Board Purchase	7,463
Common School, Indemnity & Escheat	302,531
Agricultural School	6,348
University - Transferred	10,500
CEP&RI	7,802
Capitol Building	17,471
Normal School	12,040
Scientific School	9,248
University - Original	343
Community & Technical College	
Forest Reserve	77
TOTAL - ALL TRUSTS	458,848

RCW 79.01.744 requires information on the "...total number of acres off-base for harvest and an explanation of why those acres are off-base for harvest...."

1 OFF-BASE: Under the 1992 Forest Resource Plan, the department's principal forest resource policy document, forest lands are designated as on-base or off-base. On-base acres are those areas capable of producing timber, are not deferred from harvest, and are included in the department's long-range timber harvest plans, consistent with the 1996 sustainable harvest calculation.

Off-base acres include acres which cannot produce a recurring timber crop. Forest stands are classified as off-base, for example, when they are small, isolated, difficult to reach, or too costly to log.

Acres are designated off-base because they are inoperable, are low site, contain permanent research plots, are upland wildlife management areas, are timber gene pool reserves, are on unstable slopes, in riparian buffers, are located in a northern spotted owl nest patch, contain a northern spotted owl site center, are identified as murrelet habitat, or are included in the Olympic Experimental State Forest deferral areas.

Off-base land classifications are not permanent designations. The department may change the classification as specific forest stands or sites are re-evaluated.

Off-base acres include deferred acres, those where harvesting is postponed or deferred for a period of time.

NOTES

- This 2003 Annual Report section includes all eastern Washington forestlands. Some east-side forestlands may not produce harvestable timber in 80 years, and are therefore classified off-base in the 1996 sustainable harvest calculation.

- Acreage updates and changes can occur over time due to technological refinements in data gathering and analysis, such as the Forest Resource Inventory System program.

- A specific site can be off-base due to one or more factors, some of which are noted above; a site may be designated off-base due to several factors simultaneously.

- Numbers may not add due to rounding or potential double counting.

SOURCES

- Sustainable Harvest database, 1996; Forest Resource Plan, 1992.

Note: DNR is currently updating sustainable harvest information; this chart is expected to be revised in future reports. Revisions may include new categories and definitions of "on-base" and "off-base" as a result of the current Sustainable Harvest Calculation work.